### Comparison Of Sample Dividing Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Std. Dev. of Samples (%)</th>
<th>Var. (Pn)</th>
<th>Est. Max. Sample Error (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cone &amp; Quartering</td>
<td>6.81</td>
<td>46.4</td>
<td>22.7</td>
</tr>
<tr>
<td>Scoop Sampling</td>
<td>5.14</td>
<td>26.4</td>
<td>17.1</td>
</tr>
<tr>
<td>Table Sampling</td>
<td>2.09</td>
<td>4.37</td>
<td>7.0</td>
</tr>
<tr>
<td>Chute Riffling</td>
<td>1.0</td>
<td>1.02</td>
<td>3.4</td>
</tr>
<tr>
<td>Spinning Riffling</td>
<td>0.125</td>
<td>0.016</td>
<td>0.42</td>
</tr>
</tbody>
</table>

Accuracy of various types of sampling were demonstrated by A.A. Khan at Bradford University in 1969. Tests were based on 60/40% mixture of coarse and fine sands.